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OPH 141 THEORY
SPHERICAL EQUIVALENT
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1. $+3.50 \rightarrow +3.50 \text{ D}$
2. $-1.00 - 1.00 \times 180 \Rightarrow -1.50 \text{ D}$
3. $+0.50 - 2.00 \times 030 \Rightarrow -0.50 \text{ D}$
4. $-1.00 + 1.00 \times 080 \Rightarrow -0.50 \text{ D}$
5. $-1.00 + 3.00 \times 110 \Rightarrow +0.50 \text{ D}$
6. $+8.75 - 2.25 \times 005 \Rightarrow +7.62 \text{ D}$
7. $-16.75 - 2.00 \times 179 \Rightarrow -17.75 \text{ D}$
8. $-16.75 + 2.00 \times 005 \Rightarrow -15.75 \text{ D}$
9. $-0.75 + 1.00 \times 092 \Rightarrow -0.25 \text{ D}$
10. $-1.62 + 1.75 \times 115 \Rightarrow -0.74 \text{ D}$
11. $+0.25 - 0.50 \times 135 \Rightarrow \text{pl}$
12. $\text{pl} - 0.50 \times 058 \Rightarrow -0.25 \text{ D}$
13. $-4.25 \Rightarrow -4.25 \text{ D}$
14. $\text{pl} + 3.75 \times 053 \Rightarrow +1.87 \text{ D}$
15. $+0.25 - 0.50 \times 145 \Rightarrow \text{pl}$
16. $+0.25 - 0.25 \times 135 \Rightarrow +0.12 \text{ D}$
17. $+22.50 - 3.50 \times 058 \Rightarrow +20.75 \text{ D}$
18. $-0.25 - 0.50 \times 033 \Rightarrow -0.50 \text{ D}$
19. $+1.00 - 2.00 \times 090 \Rightarrow \text{pl}$

The [answers are here](#)